AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A high-voltage component comprising a first end ~~(1)~~ and a second end ~~(2)~~, wherein under operating conditions the first end ~~(1)~~ is on a high-voltage potential with respect to the second end ~~(2)~~,

comprising an insulating part ~~(3; 9, 11, 12)~~, which is arranged between the first end ~~(1)~~ and the second end; and

comprising at least one optical fiber ~~(4)~~, which is integrated in the high-voltage component and which extends from the first end ~~(1)~~ to the second end ~~(2)~~,

~~characterised~~

~~in that~~ wherein the high-voltage component comprises at least one capillary ~~(5)~~, which extends from the first end ~~(1)~~ to the second end ~~(2)~~ and which is arranged within the insulating part ~~(3; 9, 11, 12)~~;

~~in that~~ wherein the inside diameter of the capillary ~~(5)~~ exceeds the outside diameter of the fiber ~~(4)~~;

~~in that~~ wherein the fiber ~~(4)~~ is arranged within the capillary ~~(5)~~; and

~~in that~~ wherein the capillary ~~(5)~~ comprises a protective medium ~~(6)~~ to achieve a dielectric strength in the capillary ~~(5)~~, which dielectric strength is suitable for the operating conditions.

2. (Currently Amended) The high-voltage component according to claim 1, ~~characterised in that~~ wherein the outside of the capillary ~~(5)~~ is enclosed by a capillary coating ~~(8)~~ in order to protect said capillary ~~(5)~~ against mechanical stress.

3. (Currently Amended) The high-voltage component according to ~~one of the preceding claims~~ claim 1, ~~characterised in that~~ wherein the capillary ~~(5)~~ is designed and arranged in the insulating part ~~(3; 9, 11, 12)~~ such that thermo-mechanical stress, which under operating conditions is exerted on said capillary ~~(5)~~ by the insulating part ~~(3; 9, 11, 12)~~, leaves it undamaged, and/or

~~in that~~ wherein the capillary ~~(5)~~ is designed and arranged in the insulating part ~~(3; 9, 11, 12)~~ such that thermo-mechanical stress, which the insulating part ~~(3; 9, 11, 12)~~ exerts on the capillary during the curing process of the insulation part ~~(3; 9, 11, 12)~~, leaves it undamaged.

4. (Currently Amended) The high-voltage component according to claim 1, ~~characterised in that~~ wherein the fiber ~~(4)~~ is a polarisation-maintaining fiber ~~(4)~~, in particular a fiber comprising an elliptic core, a fiber comprising an inner elliptic jacket, a bowtie fiber or a panda fiber.

5. (Currently Amended) The high-voltage component according to ~~any one of the preceding claims~~ claim 1, ~~characterised in that~~ wherein the fiber ~~(4)~~ comprises a fiber coating ~~(7)~~.

6. (Currently Amended) The high-voltage component according to ~~any one of the preceding claims~~ claim 1, ~~characterised in that~~ wherein the fiber ~~(4)~~ is exchangeable without there being any need to change the insulating part ~~(3; 9, 11, 12)~~.

7. (Currently Amended) The high-voltage component according to ~~any one of the preceding claims~~ claim 1, wherein the high-voltage component comprises an insulation body ~~(9)~~ which extends from the first end ~~(1)~~ to the second end ~~(2)~~, ~~characterised in that~~ wherein the insulation body ~~(9)~~ differs from the insulating part ~~(3; 11, 12)~~ ~~in that~~ wherein the capillary ~~(5)~~ is arranged in a spiral shape along the insulation body ~~(9)~~, and in particular ~~in that~~ wherein the insulation body ~~(9)~~ is wrapped by an intermediate layer ~~(10)~~, and the intermediate layer ~~(10)~~ is arranged between the insulation body ~~(9)~~ and the capillary ~~(5)~~.

8. (Currently Amended) The high-voltage component according to ~~any one of the preceding claims~~ claim 1, ~~characterised in that~~ wherein the high-voltage component comprises a current sensor and/or a voltage sensor ~~(13)~~.

9. (Currently Amended) The high-voltage component according to ~~any one of the preceding claims~~ claim 1, ~~characterised in that~~ wherein the insulating part ~~(3; 9, 11, 12)~~ is a form of shielding ~~(11)~~ and/or an insulation filler ~~(12)~~ and/or an insulation body ~~(9)~~.

10. (Currently Amended) The high-voltage component according to ~~any one of the preceding claims~~ claim 1, ~~characterised in that~~ wherein the high-voltage component is a high-voltage insulator, a high-voltage leadthrough, a high-voltage arrester or a high-voltage switch.

11. (Currently Amended) A method for producing a high-voltage component comprising a first end ~~(1)~~ and a second end ~~(2)~~, wherein under operating conditions the first end ~~(1)~~ is on a high-voltage potential with respect to the second end ~~(2)~~, and comprising an insulating part ~~(3; 9, 11, 12)~~, which is arranged between the first end ~~(1)~~ and the second end ~~(2)~~,

~~characterised~~

~~in that~~ wherein between the first end ~~(1)~~ and the second end ~~(2)~~ within the insulating part ~~(3; 9, 11, 12)~~ at least one capillary ~~(5)~~ is arranged to accommodate at least one optical fiber ~~(4)~~; and

~~in that~~ wherein a protective medium ~~(6)~~ is placed in the capillary to achieve a dielectric strength in the capillary, which dielectric strength is suitable for the operating conditions.

12. (Currently Amended) The production method according to claim 11, ~~characterised in that~~ wherein the ~~fibre~~ fiber ~~(4)~~, of which there is at least one, is placed in the capillary ~~(5)~~.

13. (Currently Amended) The production method according to ~~one of claims~~ claim 11 ~~or 12~~, ~~characterised in that~~ wherein a capillary coating ~~(8)~~ is applied to the

outside of the capillary ~~(5)~~ before the capillary ~~(5)~~ is arranged within the insulating part ~~(3; 9, 11, 12)~~.

14. (Currently Amended) The production method according to ~~any one of claims~~ claim 11 ~~to 13~~, wherein the high-voltage component comprises an insulation body ~~(9)~~ which extends from the first end ~~(1)~~ to the second end ~~(2)~~, ~~characterised in that~~ wherein the insulation body ~~(9)~~ differs from the insulating part ~~(3; 11, 12)~~ ~~in that~~ wherein the capillary ~~(5)~~ is arranged in a spiral shape along the insulation body ~~(9)~~, and in particular ~~in that~~ wherein the insulation body ~~(9)~~ is wrapped by an intermediate layer ~~(10)~~, and then the capillary ~~(5)~~ is arranged in a spiral shape along the insulation body ~~(9)~~, which is wrapped by the intermediate layer ~~(10)~~, so that the intermediate layer ~~(10)~~ is arranged between the capillary ~~(5)~~ and the insulation body ~~(9)~~.

15. (Currently Amended) The production method according to ~~any one of claims~~ claim 11 ~~to 14~~, ~~characterised in that~~ wherein the capillary ~~(5)~~ is arranged within the insulating part ~~(3; 9, 11, 12)~~ prior to a curing process of the insulating part ~~(3; 9, 11, 12)~~ taking place.

16. (Currently Amended) The production method according to ~~any one of claims~~ claim 11 ~~to 15~~, ~~characterised in that~~ wherein the fiber ~~(4)~~ is placed in the capillary ~~(5)~~ before the capillary ~~(5)~~ is arranged within the insulating part ~~(3; 9, 11, 12)~~.

17. (Currently Amended) The production method according to ~~any one of~~ ~~claims~~ claim 11 ~~to 15~~, ~~characterised in that~~ wherein the fiber ~~(4)~~ is placed in the capillary ~~(5)~~ after the capillary ~~(5)~~ is arranged within the insulating part ~~(3; 9, 11, 12)~~, and/or ~~in that~~ wherein the fiber ~~(4)~~ is placed in the capillary ~~(5)~~ in such a way that it is exchangeable.